

FIG. 1

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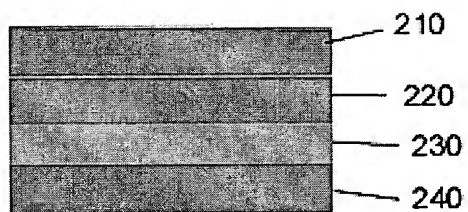


FIG. 2A

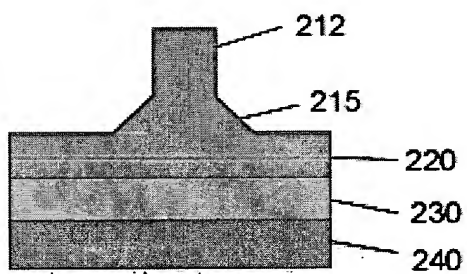


FIG. 2B

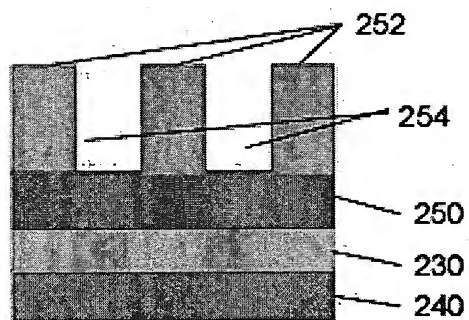


FIG. 2C

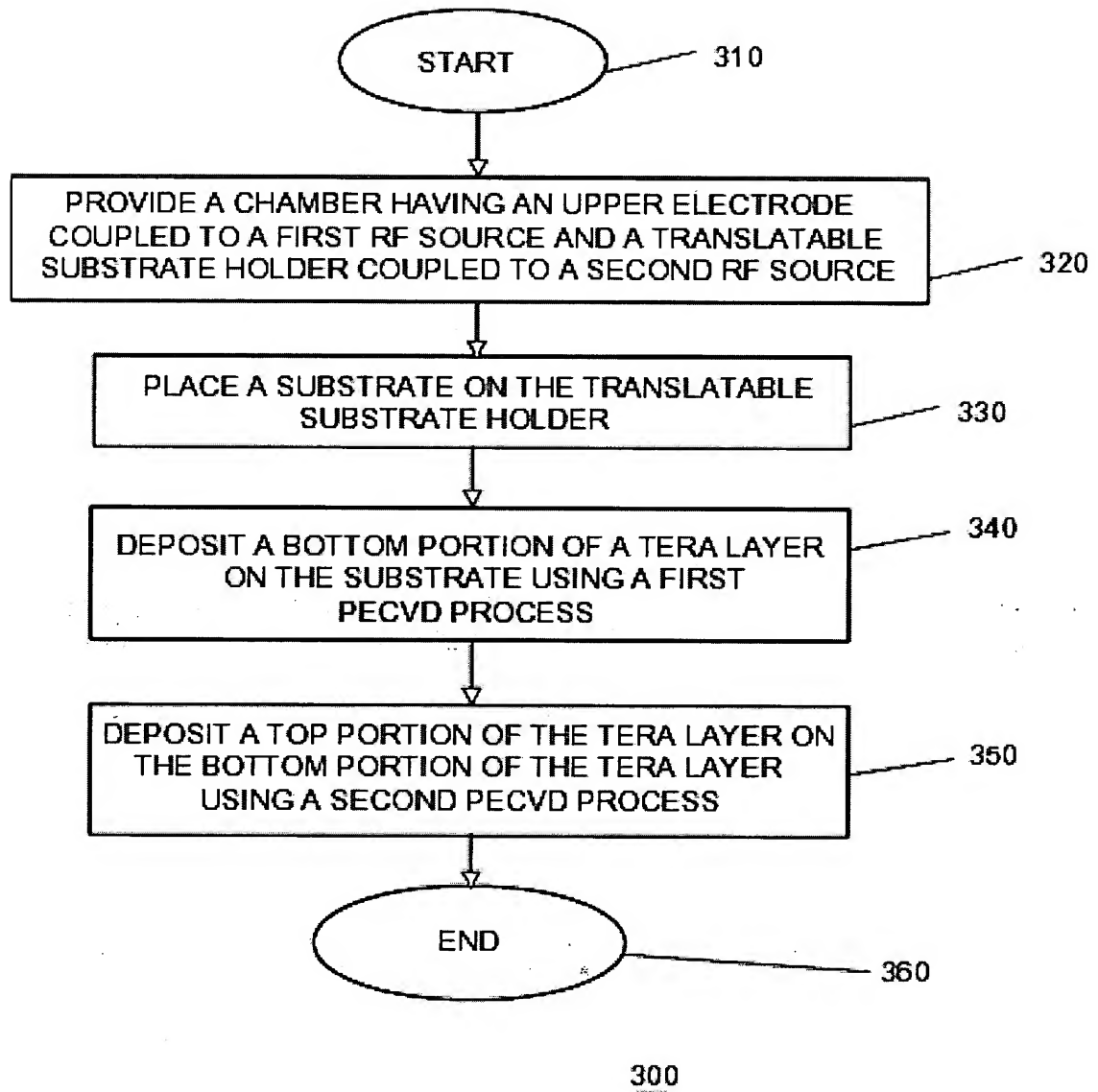


FIG. 3

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	Description	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10	Step 11	Step 12
	Time (sec)	35	10	15	45	5	5	10	20	3	2	5	10
TRF (W)	200												
	25												
	0												
BRF (W)	50												
	0												
TMCTS (sccm)	150												
	75												
	0												
He (sccm)	1000												
	600												
	420												
Pressure (torr)	0												
	5												
	2												
Pressure (torr)	1												
	0												

FIG. 4

	step	1	2	3	4	5	6	7	8	9	10	11	11	12	13
	Description	Pressure Up	Stability	Bottom Layer Depo	Prep For Cap	Cap Deposition	Purge 1	Purge 2	High Vacuum	Pressure Up	Discharge	Pin Up	Pin Up	Purge	High Vacuum
TRF (W)	Time (sec)	35	15	42	5	10	34	5	5	10	20	3	2	5	10
	800														
	400														
	25														
BRF (W)	0														
	30														
	0														
	350														
3MS (sccm)	75														
	0														
	600														
	300														
He (sccm)	0														
	280														
	40														
	0														
CO2 (sccm)	5														
	2														
	0														
	Pressure (torr)														

FIG. 5A

	step	1	2	3	4	5	6	7	8	9	10	11	11	12	13
	Description	Pressure Up	Stability	Bottom Layer Depo	Prep For Cap	Cap Deposition	Purge 1	Purge 2	High Vacuum	Discharge	Pin Up	Purge	High Vacuum		
	Time (sec)	35	15	42	5	10	34	5	5	10	20	3	2	5	10
TRF (W)	800														
	400														
	25														
	0														
BRF (W)	30														
	0														
3MS (sccm)	350														
	75														
	0														
He (sccm)	600														
	300														
	0														
CO2 (sccm)	400														
	280														
	0														
Pressure (Torr)	5														
	2														
	0.5														
	0														

FIG. 5B

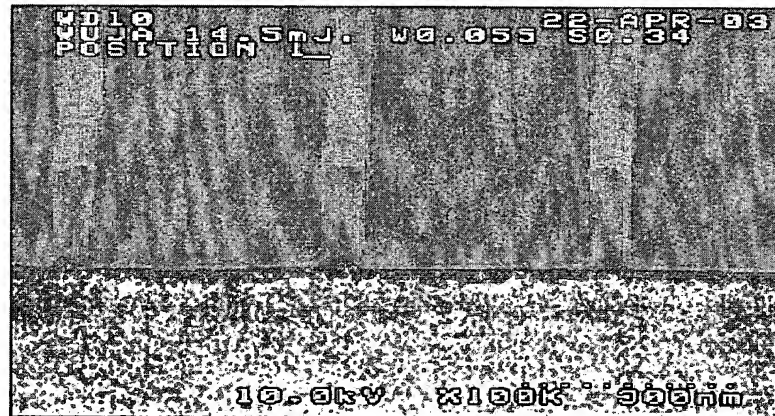


FIG. 6A

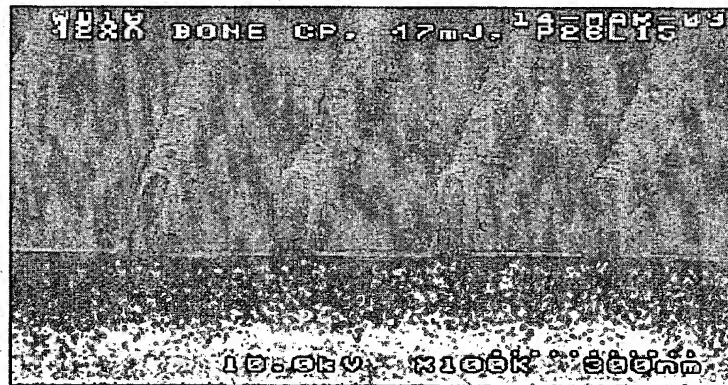


FIG. 6B